

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("20030129107").PN.	US-PGPUB; USPAT; USOCR; PPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/13 23:34
S31	29533	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/11 09:48
S34	7874	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03

S35	2413	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S36	471	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S37	2607	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S38	7161	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S39	29603	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03

S40	2013	(118/723e.ccls. or 118/723er.ccls. or 156/345.43-345.47.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S41	9736	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S42	7874	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S43	2413	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S44	471	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S45	2607	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S46	7161	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03

S47	29603	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S48	31053	S40 or S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S49	2013	(118/723e.ccls. or 118/723er.ccls. or 156/345.43-345.47.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03

S50	29603	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 14:03
S51	1	("20050016457").PN.	US-PGPUB	OR	OFF	2006/03/28 10:22
S52	23	"Penning source"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/28 10:24
S53	904	Penning and plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/28 10:24
S54	886	S53 not S52	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/28 10:24
S55	662	S54 and (electrode or anode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/28 10:24

S56	22	("2715692" "2754442" "2831996" "3264511" "3546513" "3623136").PN. OR ("3955118").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:43
S57	2988	118/723e.ccls. or 118/723c.ccls. or 118/723mp.ccls. or 118/723r.ccls. or 156/345.43-345.47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/28 13:59
S58	869	KAWASAKI-SHINICHI.in. or NAKATAKE-SUMIO.in. or KITAHATA-HIROYA.in. or NAKAJIMA-SETSUO.in. or EGUCHI-YUJI.in. or ANZAI-JUNICHIRO.in. or NAKANO-YOSHINORI.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/28 14:06
S59	166	S58 and plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/28 14:15
S60	118	S57 and ("hollow cathode")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/28 14:15
S61	14	("4980196" "5037522" "5039376" "5110437" "5330800" "5552675" "5804089").PN. OR ("6137231").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:34
S62	46	Anders-Andre.in. or Anders-Simone.in. or Dickinson-Michael.in. or Rubin-Michael.in. or Newman-Nathan.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:35
S63	17	S62 and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:35
S64	4	("5580429" "5614248" "5653811").PN. OR ("6140773").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:36
S65	5	("5169452" "5464667" "5679167").PN. OR ("6388381").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:49
S66	2741	S57 not 9-15	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:49
S67	46	S66 and ((cathode or ground or earthed) same concentric)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:56

S68	22	S67 and ((cathode or ground or earthed) same (inner and outer))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:50
S69	46	S67 or S68	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:51
S70	2310	plasma and (wafer or substrate) and ((cathode or ground or earthed) same (concentric or (inner and outer))) not S69	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:00
S71	1926	S70 and (dielectric or insulat S3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:58
S72	1411	S71 and (reactor or chamber)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 15:01
S73	408	plasma and (wafer or substrate) and (cylindrical adj1 (cathode or anode)) not (S69 or S72)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 18:06
S74	184	zervigon.xa. or zervigon.xp.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 18:06
S75	115	S74 and electrode	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 18:31
S76	159	S57 and (alternating with electrodes)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 18:31
S77	8	("5695566" "5804089" "5879741" "5964947" "5972435" "6155200" "6155202"),PN. OR ("6406590"),URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 18:38
S78	13	("5387842" "5403453" "5414324" "5456972" "5558843" "5669583" "5714308" "5753886" "5767469" "5789145" "5968377"),PN. OR ("6441553"),URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 18:40

S79	22	(US-20050103620-\$ or US-20020000779-\$ or US-20020153103-\$ or US-20020129902-\$).did. or (US-6138606-\$ or US-5334302-\$ or US-6140773-\$ or US-6441553-\$ or US-3955118-\$ or US-5003226-\$ or US-6446572-\$ or US-4198283-\$ or US-6137231-\$ or US-6388381-\$ or US-6915964-\$ or US-6406590-\$ or US-5481081-\$ or US-4533852-\$ or US-5549780-\$ or US-5221427-\$).did. or (US-3531989-\$).did. or (US-4344019-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/08/10 09:21
S80	3	"4344019".pn.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/08/10 09:22
S81	8	("5695566" "5804089" "5879741" "5964947" "5972435" "6155200" "6155202").PN. OR ("6406590").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:27
S82	6	("5169452" "5464667" "5679167").PN. OR ("6388381").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:28
S83	41	("2146025" "3616450" "3711398" "3878085" "4006073" "4025410" "4547279" "4604180" "4622121" "4664935" "4673480" "4724060" "4747926").PN. OR ("5334302").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:31
S84	30630	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47

		286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)				
S85	8007	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S86	2490	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S87	482	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S88	2631	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S89	7233	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47

S90	30630	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S91	2191	(118/723e.ccls. or 118/723er.ccls. or 156/345.43-345.47.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S92	10451	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47

S93	8007	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S94	2490	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S95	482	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S96	2631	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S97	7233	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S98	30630	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47

		261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)				
S99	32219	S91 or S98	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S100	2191	(118/723e.ccls. or 118/723er.ccls. or 156/345.43-345.47.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S101	30630	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S102	1	("20050016457").PN.	US-PGPUB	OR	OFF	2006/08/10 09:47

S103	23	"Penning source"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S104	953	Penning and plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S105	935	S104 not S103	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S106	694	S105 and (electrode or anode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S107	22	("2715692" "2754442" "2831996" "3264511" "3546513" "3623136"). PN. OR ("3955118"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S108	3099	118/723e.ccls. or 118/723er.ccls. or 118/723mp.ccls. or 118/723r.ccls. or 156/345.43-345.47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:14
S109	894	KAWASAKI-SHINICHI.in. or NAKATAKE-SUMIO.in. or KITAHATA-HIROYA.in. or NAKAJIMA-SETSUO.in. or EGUCHI-YUJI.in. or ANZAI-JUNICHIRO.in. or NAKANO-YOSHINORI.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S110	178	S109 and plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S111	126	S108 and ("hollow cathode")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 09:47
S112	16	("4980196" "5037522" "5039376" "5110437" "5330800" "5552675" "5804089").PN. OR ("6137231").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47

S113	46	Anders-Andre.in. or Anders-Simone.in. or Dickinson-Michael.in. or Rubin-Michael.in. or Newman-Nathan.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S114	17	S113 and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S115	5	("5580429" "5614248" "5653811").PN. OR ("6140773").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S116	6	("5169452" "5464667" "5679167").PN. OR ("6388381").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S117	2852	S108 not 9-15	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S118	48	S117 and ((cathode or ground or earthed) same concentric)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S119	22	S118 and ((cathode or ground or earthed) same (inner and outer))	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S120	48	S118 or S119	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S121	2414	plasma and (wafer or substrate) and ((cathode or ground or earthed) same (concentric or (inner and outer))) not S120	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S122	2016	S121 and (dielectric or insulat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S123	1473	S122 and (reactor or chamber)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S124	415	plasma and (wafer or substrate) and (cylindrical adj1 (cathode or anode)) not (S120 or S123)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S125	193	zervigon.xa. or zervigon.xp.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S126	121	S125 and electrode	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S127	164	S108 and (alternating with electrodes)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S128	8	("5695566" "5804089" "5879741" "5964947" "5972435" "6155200" "6155202").PN. OR ("6406590").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47

S129	14	("5387842" "5403453" "5414324" "5456972" "5558843" "5669583" "5714308" "5753886" "5767469" "5789145" "5968377").PN. OR ("6441553").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 09:47
S130	23	("4792378" "4948458" "4981722" "5399254" "5449432" "5468296" "5522934" "5597438" "5639519" "5669975" "5710486" "5800688" "5830330" "5879523" "5885358" "5989838" "6062163" "6080287" "6089183" "6237526" "6296747").PN. OR ("6446572").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 10:01
S131	800	"hollow anode"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 10:01
S132	1037	"hollow anode"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:05
S133	597	S132 and (dielectric or insulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:37
S134	283	S133 and (cap or lid or cover)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:37
S135	8545	hollow adj1 (anode or cathode or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:05
S136	4324	S135 and (dielectric or insulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:37
S137	1919	S136 and (cap or lid or cover)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:05

S138	892	S137 and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:06
S139	2222	S108 and (dielectric or insulat53)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:37
S140	1050	S139 and (cap or lid or cover)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:37
S141	1050	S140 and (dielectric or insulat53)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:38
S142	982	S140 not S138	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 10:47
S143	5	((("6,270,862") or ("6,137,231") or ("5,560,779") or ("5,384,447") or ("20020092616"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/08/10 10:47
S144	8	("4626448" "4829215" "5091209" "5292370" "5716451" "5980687" "6174809" "6440494"). PN. OR ("6656540"). URIPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 10:56
S145	29	("3179213" "4078812" "4167351" "4427516" "4491496" "4526644" "4612432" "4623417" "4668373" "4693777" "4793975" "5066381" "5074456" "5161908" "5178681" "5223113" "5236151" "5238499" "5252892" "5257872" "5269894" "5272417" "5366585" "5494523" "5589003" "5680013"). PN. OR ("5959409"). URIPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 11:20

S146	43	("4427516" "4491496" "4526644" "4612432" "4623417" "4693777" "4793975" "5223113" "5236151" "5252892" "5272417" "5366585"). PN. OR ("5680013"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 11:44
S147	46	"5,680,013"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 11:46
S148	364	S108 and array	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 11:46
S149	31	("4132613" "4209357" "4892753" "4969415" "5007373" "5009738" "5032202" "5292401" "5336326").PN. OR ("5627435").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 11:57
S150	1	("20030129107").PN.	US-PGPUB	OR	OFF	2006/08/10 11:57
S151	34	(US-20050103620-\$ or US-20020000779-\$ or US-20020153103-\$ or US-20020129902-\$ or US-20050001527-\$ or US-20020122896-\$ or US-20020092616-\$ or US-20030129107-\$).did. or (US-6138606-\$ or US-5334302-\$ or US-6140773-\$ or US-6441553-\$ or US-3955118-\$ or US-5003226-\$ or US-6446572-\$ or US-4198283-\$ or US-6137231-\$ or US-6388381-\$ or US-6915964-\$ or US-6406590-\$ or US-5481081-\$ or US-4533852-\$ or US-5549780-\$ or US-5221427-\$ or US-4344019-\$ or US-4954751-\$ or US-6656540-\$ or US-6485604-\$ or US-5959409-\$ or US-5680013-\$ or US-5627435-\$ or US-6764658-\$).did. or (US-3531989-\$).did. or (US-4344019-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/08/10 13:07
S152	4	(("20030129107") or ("6137231")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/10 13:07

S153	4	((("20020007793") or ("6424091")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF ²	2006/08/10 13:14
S154	2	("20030129107").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF ²	2007/02/12 10:11
S155	2	("20050016457").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF ²	2007/02/12 10:11
S156	34	(US-20020000779-\$ or US-20020129902-\$ or US-20020153103-\$ or US-20050103620-\$ or US-20020122896-\$ or US-20020092616-\$ or US-20050001527-\$ or US-20030129107-\$).did. or (US-3955118-\$ or US-6137231-\$ or US-5334302-\$ or US-4533852-\$ or US-5549780-\$ or US-6138606-\$ or US-5627435-\$ or US-4344019-\$ or US-4198283-\$ or US-5003226-\$ or US-5221427-\$ or US-6140773-\$ or US-6388381-\$ or US-6406590-\$ or US-5481081-\$ or US-6441553-\$ or US-6446572-\$ or US-6915964-\$ or US-4954751-\$ or US-6656540-\$ or US-6485604-\$ or US-5959409-\$ or US-5680013-\$ or US-6764658-\$).did. or (US-3531989-\$).did. or (US-4344019-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/12 13:22
S157	18	((("4297162" "4979467" "5198724" "5221427" "5314540").PN. OR ("5549780").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 13:05
S158	14	((unmixed with gases) and electrodes and (wafer or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 13:26
S159	22398	((first and second) with gas) and electrodes and (wafer or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:11

S160	5908	(((first and second) with gas) with electrodes) and (wafer or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 13:30
S161	439	(((first and second) with gas) with (electrodes and mix\$3)) and (wafer or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:01
S162	1	(((first and second) with gas) with (electrodes and unmix\$3)) and (wafer or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:01
S163	6	("4284242" "5427317" "5595606" "5810252"). PN. OR ("6089472"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 14:08
S164	325	("first gas" and "first electrode") and (wafer or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:51
S165	2	("5500256").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/12 14:51
S166	35	(US-20030129107-\$ or US-20050001527-\$ or US-20020092616-\$ or US-20050103620-\$ or US-20020000779-\$ or US-20020129902-\$ or US-20020153103-\$ or US-20020122896-\$).did. or (US-6485604-\$ or US-6140773-\$ or US-5549780-\$ or US-4198283-\$ or US-5221427-\$ or US-5481081-\$ or US-5959409-\$ or US-5680013-\$ or US-6138606-\$ or US-6137231-\$ or US-6089472-\$ or US-4533852-\$ or US-4954751-\$ or US-5627435-\$ or US-6388381-\$ or US-6446572-\$ or US-6441553-\$ or US-6915964-\$ or US-6764658-\$ or US-5003226-\$ or US-6406590-\$ or US-3955118-\$ or US-4344019-\$ or US-5334302-\$ or US-6656540-\$).did. or (US-3531989-\$).did. or (US-4344019-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/08/03 09:06

S167	2	("20030129107").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 21:23
S168	2	("20030129107").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/06 07:42
S169	2	("20030129107").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/10 16:02
S170	2	("20030129107").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/11 09:49
S171	4	((("20030129107") or ("5500256")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/27 14:22

10/13/08 11:39:16 PM

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